

**NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING
NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES**

Applicant must file the items indicated below within the time period set the Office action to which the Notice is attached to avoid abandonment under 35 U.S.C. § 133 (extensions of time may be obtained under the provisions of 37 CFR 1.136(a)).

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 C.F.R. 1.821 - 1.825 for the following reason(s):

- ☐ 1. This application clearly fails to comply with the requirements of 37 C.F.R. 1.821-1.825. Applicant's attention is directed to the final rulemaking notice published at 55 FR 18230 (May 1, 1990), and 1114 OG 29 (May 15, 1990). If the effective filing date is on or after July 1, 1998, see the final rulemaking notice published at 63 FR 29620 (June 1, 1998) and 1211 OG 82 (June 23, 1998).
- ☐ 2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 C.F.R. 1.821(c).
- ☐ 3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 C.F.R. 1.821(e).
- ☐ 4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing."
- ☒ 5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A Substitute computer readable form must be submitted as required by 37 C.F.R. 1.825(d).
- ☐ 6. The paper copy of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 C.F.R. 1.821(e).
- ☐ 7. Other: _____

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Applicant Must Provide:

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- ☒ An initial or substitute computer readable form (CRF) copy of the "Sequence Listing".
- ☒ An initial or substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification.
- ☒ A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 C.F.R. 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d).

For questions regarding compliance to these requirements, please contact:

For Rules Interpretation, call (703) 308-4216

For CRF Submission Help, call (703) 308-4212

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#9

1638

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/665,308

DATE: 05/24/2001

TIME: 17:17:17

Input Set : A:\BB1149 US NA Seq List.txt

Output Set : C:\CRF3\05242001\I665308.raw

Does Not Comply
Corrected Diskette Needed

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3 <110> APPLICANT: Cahoon, Rebecca E.
4 Klein, Theodore M.
5 Odell, Joan T.
6 Orozco, Emil M. Jr.
8 <120> TITLE OF INVENTION: PLANT CELL CYCLIN GENES
10 <130> FILE REFERENCE: BB1149 US NA
> 12 <140> CURRENT APPLICATION NUMBER: US/09/665,308
> 12 <141> CURRENT FILING DATE: 2000-09-19
12 <150> PRIOR APPLICATION NUMBER: 60/078,735
> 13 <151> PRIOR FILING DATE: 1998 March 20 1998-03-20
15 <150> PRIOR APPLICATION NUMBER: PCT/US99/06047
> 16 <151> PRIOR FILING DATE: 1999 March 19 1999-03-19
18 <160> NUMBER OF SEQ ID NOS: 32
20 <170> SOFTWARE: MICROSOFT OFFICE 97

RED SEQUENCES

1053 <210> SEQ ID NO: 21
1054 <211> LENGTH: 789
1055 <212> TYPE: DNA
1056 <213> ORGANISM: Triticum aestivum
1058 <400> SEQUENCE: 21
1059 cacctgaggg cgactcgagg gtgccctcgc cccgtccgcc gtgaccaccc ctcttcggat 60
1060 ctccaccgct cgacccaaat gtgatttgag gcaaatctct cgtttgaggc aaggacaata 120
1061 aaagtgatgg agcttttgggt cttcagcacc ttgaaatgga ggatgcaagc tgttactgct 180
1062 tgctcgttta ttgactactt cctttgcaaa ttcaatgatc atgacacacc ctccatgctt 240
1063 gcattctcct gctcaactga cctcatcctg agcacaacta agtgagctga ttttttgggt 300
1064 ttcagacatt cagagattgc tgggaagtgt gcacttcctt catttgggga gcacaagact 360
1065 tcagttgtcg aaatggctac aactaattgc aagtatataa acaagggagt gtgatgtgac 420
1066 aggaaagatc ctgatgaagt gcttccttta tggaaatgcct atctgaagtt tggactaaga 480
1067 gacatgcttt aattggctta gtaaaaaata cttgctaaag agaaataaga ttcaaagtag 540
1068 atgtttttat ttagatttag gatattgtgt ttctgccacc ggttcgactt ctcatattag 600
1069 aaggcaagca gttagttcat atcttactac tttgcactat tgtagatgga tggtagaggga 660
1070 ttgagaggct actactatta atgtgcgtaa actttgcata tttagctctc taaatgaaac 720
1071 cggatgatgt taacctgaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 780
1072 aaaaaaaaaa
1125 <210> SEQ ID NO: 23
1126 <211> LENGTH: 603 1132 (p. 2)
1127 <212> TYPE: DNA
1128 <213> ORGANISM: Zea mays
1130 <220> FEATURE:
1131 <221> NAME/KEY: unsure
1132 <222> LOCATION: (441)
1134 <220> FEATURE:
1135 <221> NAME/KEY: unsure
1136 <222> LOCATION: (447)

789 ← insert
cumulative
base total
at right
margin of each
line

RAW SEQUENCE LISTING

DATE: 05/24/2001

PATENT APPLICATION: US/09/665,308

TIME: 17:17:17

Input Set : A:\BB1149 US NA Seq List.txt

Output Set: C:\CRF3\05242001\I665308.raw

```

1138 <220> FEATURE:
1139 <221> NAME/KEY: unsure
1140 <222> LOCATION: (485)
1142 <220> FEATURE:
1143 <221> NAME/KEY: unsure
1144 <222> LOCATION: (498)
1146 <220> FEATURE:
1147 <221> NAME/KEY: unsure
1148 <222> LOCATION: (528)
1150 <220> FEATURE:
1151 <221> NAME/KEY: unsure
1152 <222> LOCATION: (553)
1154 <220> FEATURE:
1155 <221> NAME/KEY: unsure
1156 <222> LOCATION: (560)
1158 <220> FEATURE:
1159 <221> NAME/KEY: unsure
1160 <222> LOCATION: (576)..(577)
1162 <220> FEATURE:
1163 <221> NAME/KEY: unsure
1164 <222> LOCATION: (598)
1166 <400> SEQUENCE: 23
1167 aacagaattc ggcacgagcc gcggtcggct gggtttcacg cgccgcggcg cggctaggct 60
1168 tctccgcgct caccgccgcg ctccgccgcg cctacctcga ccgctgcttc ctccccgggg 120
1169 gcgcgctccg gctcggcgac cagccctgga tggcgcgctt agccgccgtc acctgcttcg 180
1170 cgctcgcgcg caaggtcgag gagacgcgcg tgccgcgctt cctcgacctc cagctctacg 240
1171 ccgccgctga cgccgcggat ccgtacgtat tcgaggccaa gacggtgcgc cggatggagc 300
1172 tgctcgtgct ctccgcgctt ggggtggcga tgcacctgtt caccgcttc tcctacctcc 360
1173 agcccgctct cgccgacgct gcgacgcgcc tgcgtagctg cgagggcgct ctgctcgcgg 420
1174 tcatggccga ctggaggtgg cctcggcacc ggccttcggc gtgggcccgc gccgcgttgc 480
1175 tgatcacagc cgccgccggc gacggcgggc acggcgacgg cgacacggag ctccctggcg 540
1176 tcatcaatgc ccccgaggac aagaccgccg agtgtgcaa gatcatctcc gaggtgacgg 600
1177 gcatgagctt cctcgcctgc gatgtcggcg tgagcgccgg aaataagcgt aagcacgcgg 660
1178 cggcgagctt gtactcgcgc ccgccgagcc cgagcggcgt gatcggcgcg ctgtcctgct 720
1179 tcagctgcga gagctcgacg tccgccaccg ctatggctgc ggcggtcggc ccgtgggcgc 780
1180 cgtcggcgct cgtgtccgtg tcgtcctctc cagagccacc aggtcggggc cccaagcgcg 840
1181 cagcggcggc gtcggcgctg gcgtcggcgt cagccggggt cgcgccaccg gtccaggctc 900
1182 cgcatcagct accccccgac gaggagagcc gcgacgcctg gccgtccacc tgcgcgcgct 960
1183 gacgcaccgt gccggaacg gtgcctatgg cgagaccgcc gttcgggtgg ggtggagaat 1020
1184 ggagaacaag gagcatcatt ggctcgcgct ggtgagcagg agaacgaact attttgccca 1080
1185 ttgccgtgac agatggggggg tgttcaactg gtggagccgc gctgancaat ga 1132

```

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY

DATE: 05/24/2001

PATENT APPLICATION: US/09/665,308

TIME: 17:17:18

Input Set : A:\BB1149 US NA Seq List.txt

Output Set: C:\CRF3\05242001\I665308.raw

12 M:270 C: Current Application Number differs, Replaced Current Application No
12 M:271 C: Current Filing Date differs, Replaced Current Filing Date
13 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
16 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
156 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:3
156 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
157 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:3
157 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
59 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:3
59 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
61 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:3
61 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
62 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:3
62 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
63 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:3
63 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
95 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:4
95 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
04 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:4
04 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
07 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:4
07 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
13 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:4
13 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
01 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:5
01 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
03 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:5
03 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
04 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:5
04 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
05 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:5
05 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
04 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:6
04 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
07 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:7
07 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
03 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:7
03 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
02 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:8
02 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
05 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:9
05 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
01 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:15
01 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
01 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:15
01 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
01 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:16
01 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/665,308

DATE: 05/24/2001

TIME: 17:17:18

Input Set : A:\BB1149 US NA Seq List.txt

Output Set: C:\CRF3\05242001\I665308.raw

07 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:17
07 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
09 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:17
09 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
005 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:19
005 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
006 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:19
006 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
008 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:19
008 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
009 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:19
009 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
010 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:19
010 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
~~11 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:19~~
~~11 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19~~
35 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:20
35 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
38 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:20
38 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
50 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:20
50 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
72 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:789 SEQ:21
35 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:22
35 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22
37 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:22
37 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22
6 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:22
6 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22
5 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:23
5 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
5 M:252 E: No. of Seq. differs, <211>LENGTH:Input:603 Found:1132 SEQ:23
3 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:25
3 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
4 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:25
4 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
5 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:25
5 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
3 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:26
3 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26
3 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:26
3 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26
M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:26
M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26
M:282 W: Numeric Field Identifier Missing, <211> is required.
M:282 W: Numeric Field Identifier Missing, <212> is required.
M:282 W: Numeric Field Identifier Missing, <213> is required.
M:283 W: Missing Blank Line separator, <400> field identifier



Box Sec
1638

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on July 18, 2001
Date

Melissa McCullin
Signature

MELISSA MCCULLIN
Type or printed name of person signing Certificate

Note: Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.

09/665,308
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AMENDMENT
STATEMENT UNDER 37 CFR 1.821(g) and 1.825(b)
SEQUENCE LISTING - CRF
SEQUENCE LISTING - 26